

FAYNSHTEYN, A. S.																									
13																									
<p>Paste for sealing joints of motors. A. S. Fainshteyn, V. S. Zavlin and M. M. Khushkevich. Izv. 16, 650, April 30, 1930. Benzylcellulose is mixed with "Albetail," and plasticized with a soln. of linosyn. To the mixt. are added a solvent (alc., toluene, furfural) and finally graphite or carbon black and castor oil.</p>																									
AS 55.5 METALLURGICAL LITERATURE CLASSIFICATION																									

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FAYNSHTEYN, A. S.																																																	
31																																																	
Preventing mechanical damage to organic glass. A. S. Faynshteyn. U.S.S.R. 65,743, Jan. 31, 1966. Mechanical damage to org. glass is prevented by coating the glass with a pyrotechnic substance, e.g., gelatin. M. H.																																																	
ATM 31.4 METALLURGICAL LITERATURE CLASSIFICATION																																																	
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PAYMSHTEYN, A.S., inzhener.

Removal of carbide slurry from settling basins at acetylene plants.
Energetik 4 no.10:22-23 0 '56. (MLRA 9:11)
(Calcium carbide)

AUTHOR: Faynshteyn, A.S., Engineer.

104-2-21/38

TITLE: Making the block walling (of a boiler) with chamotte concrete lining. (Vypolneniye blochnoy obmurovki s sham-otobetonnoy futerovki)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957, Vol. 28, No.2, pp. 77 - 79 (U.S.S.R.)

ABSTRACT: This short practical article describes how in a boiler type T-230-2, 83% of the lining was carried out in blocks with a fire-resistant lining consisting of chamotte-concrete using Portland cement. The lining work was carried out during the assembly of the blocks so that they could be made by factory methods, the total weight of lining was reduced and scarce lining materials were replaced by easily available materials. The individual blocks ranged in weight from 1 - 60 tons. The procedure is described and illustrated with diagrams. The composition of the cement is given and its method of use described. The lining work was carried out in 40 days working two shifts per day. Twelve men were employed on preparing cement, the lining was carried out by three squads each of four men. Two 15 ton cranes were used. There are 2 figures.

AVAILABLE:

Card 1/1

AUTHOR: Faynshteyn, A.S., Engineer.

104-4-23/40

TITLE: Methods of erecting trestle cranes. (Metody Montana koz-
lovyykh kranov)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957,
Vol.28, No.4, p. 76 (U.S.S.R.)

ABSTRACT: Trestle type cranes with a lifting capacity of 20 tons
and a span of 20 or 32 m are becoming widely used during the
erection of power stations. The method of erecting the cranes
recommended by the manufacturers requires much preparational
work on the installation of masts, of supports under the masts
and other equipment. This brief note describes simpler
methods of doing the work. One method involves the use of a
mobile railway crane running on the tracks spanned by the crane
being erected. A second method involves the use of a tractor
and pulley blocks one of which is fastened to the assembled
1/1 crane tower and the other to the power station wall.

AVAILABLE: There are 2 figures.

AUTHOR: Faynshteyn, A.S., Engineer SOV-91-59-10-3/35

TITLE: Large Unit Assembly of a Front-End Boiler of TP-230-2 Type
(Krupno-blochnyy montazh tortsovogo kotloagregata tipa
TP-230-2)

PERIODICAL: Energetik, 1958,⁶ Nr 10, pp 8 - 9 (USSR)

ABSTRACT: The author states that in the thermo-electric power station (TETS) boiler works, two bridge cranes have been installed, each with a lifting capacity of 15 tons, which enable the assembly of boiler units to be carried out by using large scale heavy blocks. He adds that a technique of assembling a TP-230-2 type front-end boiler has been developed, and proceeds to describe in detail the various steps in this method of assembly. The author concludes by stating that the coefficient of unit assembly for the metal parts of the boiler was 92.4%, and for the lining, 20.8%. There are 2 diagrams.

1. Boilers--Production

Card 1/1

FAYNSHTEYN, A.S., inzh.

Light-duty lining of boiler-unit convection shafts. Elek. sta. 29 no.10:
86-87 0 '58. (MIRA 11:11)

(Boilers--Furnaces)

BAL'VA, Ya.T., inzh.; GUR'YANOVA, T.A., inzh; FAYNSHTEYN, A.S., inzh.

Use of fireclay-concrete lining of boilers in the system of the
"Volgoenergomontash" Trust. Energ. stroi. no.1:83-86 '59.

(MIRA 13:2)

1. Trest "Volgoenergomontash".
(Stalingrad--Boilers)

RADIN, S.S., inzh.; FAYNSHTEYN, A.S., inzh.

Manufacture of dust-gas-air duct units from flat folded pipes.
Energ. stroi. no.31:41-43 '62. (MIRA 16:7)

1. Proyechnaya kontera tresta "Volgoenergomontash".
(Boilers)

PALAGIN, A.A., inzh.; FAYNSHTEYN, A.S., inzh.; KIRYUKHINA, G.P., inzh.

Determination of the parameters of state of water and water vapor
using the "Ural-1" digital computer. Teploenergetika 10 no.1:
75-84 Ja '63. (MIRA 16:1)

1. Laboratoriya gidravlicheskikh mashin AN UkrSSR i Khar'kovskiy
turbinnyy zavod.

(Electronic digital computers)
(Steam turbines)
(Turbogenerators)

FAYNSHTEYN, A.S., inzh.

Using oxygen receivers of simple design. Svar.proizv.
no.12:37 D '65. (MIRA 18:12)

1. Trest "Volgoenergmontazh".

MYAKINNIKOVA, M.V.; kand.med.nauk; FAYNSHTEYN, B.A., zasluzhennyi vrach
BSSR

Removal of a foreign body from the bronchi under the control of
X rays. Zdrav. Bel. 6 no.12:57 D '60. (MIRA 14:1)

1. Iz kliniki bolezney ukha, gorla i nosa Minskogo meditsinskogo
instituta.

(BRONCHI—FOREIGN BODIES)

EL'BERT, B.Ya.; KRASIL'NIKOV, A.P.; IZRAITEL', N.A.; DAVYDOVA, O.V.;
FAINSHTAYN, B.A.

Investigation of the fishes of the Pripet River Basin as bearers
of the scleroma bacillus. Zhur. ush., nos. 1 gorl. bol. 21 no.2:
39-44, Mr-Ap '61. (MIRA 14:6)

1. Kafedra mikrobiologii (zav. - prof. B.Ya.El'bert) Minskogo
meditsinskogo instituta.
(RHINOSCLEROMA) (PRIPET RIVER BASIN—FISHES)
(FISH AS CARRIERS OF DISEASE)

FAYNSHTEYN, B.A., zasluzhennyi vrach BSSR; NAUMAGON, N.L.

Stenosis of the respiratory tracts in uremia and the possible
errors in diagnosing it. Zhur.ush., nos.1 gorl.bol. 21 no.6:69
N-D '61. (MIRA 15:11)

1. Iz 2 oblastnoy bol'nitsy g. Mozyr' (glavnyi vrach - L.I.Maylakh).
(UREMIA) (RESPIRATORY ORGANS—DISEASES)

FAYNSHTEYN, B.A., zasluzhennyy vrach BSSR; LEVINA, R.I., kand.med.nauk

Observations on endemic foci of scleroma in the Polesye Lowland.
Zdrav.Bel. 8 no.11:55-58 N '62. (MIRA 16:5)

1. Iz Otorinolaringologicheskogo otdeleniya Mazyarskoy gorodskoy
bol'nitsy Belorusskogo nauchno-issledovatel'skogo sanitarno-gigi-
yenicheskogo instituta.

(POLESYE—RHINOSCLEROMA)

FAYNSHTEYN, B.A., zasluzhennyy vrach BSSR; LEVINA, R.I., kand. med. nauk

Results of prolonged observation of endemic foci of
scleroma in the Polesye Lowland. Zhur. ush., nos. i gorl.
bol. 23 no.1;61-65 Ja-F '63. (MIRA 17:2)

1. Iz otdeleniya bolezney ukha, gorla i nosa Mozyr'skoy
gorodskoy bol'nitsy i Belorusskogo nauchno-issledovatel'skogo
sanitarno-gigiyenicheskogo instituta.

IZRAITEL', N.A.; KRASIL'NIKOV, A.P.; FAYNSHTEYN, B.A.; DAVYDOV, O.V.;
BORTKEVICH, V.S.

Role of a scleroma patient in the distribution of the disease.
Zhur. ush., nos. 1 gorl. bol. 23 no.5:43-47 9-0'63
(MIRA 17:3)

1. Iz kafedry mikrobiologii (zav. - prof. B.Ya. El'bert)
Minskogo meditsinskogo instituta.

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COMMON ELEMENTS		COMMON VALUABLES	
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CA																																																																																																							
<p>Determination of theobromine. A. I. Zil'berberg and H. B. Fal'shteyn, <i>Ukrain. Gosudarst. Inst. Ekspil. Farm. (Khar'kov), Kharkovskiy Materialy 1939, No. 4-5, 228-9.</i>—Gravimetric and iodometric detms. of theobromine in diuretics were unsatisfactory. Dissolve a known wt. of the prepn. (approx. 0.5 g.) in 10 ml. of water in a 100-ml. flask, add 1 ml. of 5 N HNO₃ (d. 1.2) and after 2 min. 2 ml. of 5 N NH₄OH (approx. 9-10%), shake and add 30 ml. of 0.1 N AgNO₃. Heat the mixt. on a water bath for 15 min., cool, bring the vol. to the mark, mix and filter, rejecting the first portions of the filtrate. To 50 ml. of the filtrate add 10 ml. of 5 N HNO₃ (d. 1.2), 10 ml. of Fe₂(SO₄)₃ (NH₄)₂SO₄ soln. and 60 ml. of ether (to dissolve milky acid). Shake the mixt. and titrate the excess AgNO₃ with 0.1 N NH₄CNS. One ml. of 0.1 N AgNO₃ corresponds to 0.01801 g. of theobromine. The content of theobromine in the prepn. dried at 100° should not be less than 46%.</p> <p style="text-align: right;">W. R. Henn</p>																																																																																																							
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FAYNSHTEYN, B. B.										PROCESSES AND PROPERTIES INDEX									
CA										17									
<p>Dry penicillin preparation. B. B. Faynshteyn and P. O. Bernshevskaya. U.S.S.R. 67,547, Dec. 31, 1946. To simplify the drying of aq. penicillin concentrates, to the latter is added anhyd. glucose and Na citrate or phosphate mixed with ether. The sediment is sepd. and vacuum-dried at room temp. M. Hirsch</p>																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION										C-27-27-27-27									
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RAYNCHTYN, B.B.; ZISERMAN, A.M.

Improving the production of biomycin hydrochloride (chlortetracycline).
Med.prom. 12 no.4:36 Ap '58. (MIRA 11:5)

1. Moskovskiy khimiko-farmatsevticheskiy zavod imeni Karpova.
(AUREOMYCIN)

FAYNSHTEYN, B.R., DEYEVA, R.I., PCHELINA, O.I., MALYSHKINA, M.

Improving the method for producing biomycin hydrochloride
(chlortetracycline). Med. prom. 12 no.7:46-47 J1 '58 (MIRA 11:8)

1. Moskovskiy khimiko-farmatsevticheskiy zavod imeni Karpova.
(AUREOMYCIN)

SARKISOV, A.Kh., prof.; DZHILAVYAN, Kh.A., kand. vet. nauk; AKULOVA, V.P., kand. vet. nauk; PARFENOV, I.S.; D'YAKONOVA, Ye.V., mladshiy nauchnyy sotrudnik; ~~FAYNSHTEYN~~, B.B., inzh.-khimik; PAVLOV, A.A.

Use of biovetin in veterinary medicine. Veterinariia 36 no.11:
64-71 N '59 (MIRA 13:3)

1. Vsesoyuznyy institut eksperimental'noy veterinarii (for Sarkisov, Dzhilavyan, Akulova, Parfenov, D'yakonova). 2. Moskovskiy khimiko-farmatsevticheskiy savod imeni Karpova (for Faynshteyn). 3. Zavednyushchiy eksperimental'nyy tsakhon Moskovskogo khimiko-farmatsevticheskogo savoda imeni Karpova (for Pavlov).
(Veterinary medicine) (Aureomycin)

FAYNSHTEYN, B.I., inzh.

Elementary method for designing the flat circular bottom of a
tank with radial stiffness ribs subjected to permanent pressure.
Trudy LTITSBP no.10:178-182 '62. (MIRA 16:8)

(Tanks)

"APPROVED FOR RELEASE: 08/22/2000

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ACCESSION NR: AP4015328

S/0032/64/030/001/0104/0105

AUTHORS: Faynshteyn, B. M.; Fattakhov, K. Z.

TITLE: Instrument for turbidimetric titration of polymers

SOURCE: Zavodskaya laboratoriya, v. 30, no. 1, 1964, 104-105

TOPIC TAGS: turbidimetric titration, polymer, colorimeter, interpolymer formation, potentiometer

ABSTRACT: The instrumentation for turbidimetric titration of polymers with automatic turbidity recording has been discussed. The components of the experimental setup consist of a photoelectric colorimeter type FEK-H, an electron potentiometer EPP-09 connected in parallel to a galvanometer, and a shunt for measuring the general sensitivity of the instrument. The precipitation curves of several polymers (polyisobutylene, SKS-10 rubber, etc.) are obtained. The results indicate possible interpolymer formations in the various polymer systems investigated. Orig. art. has: 3 figures.

Card 1/1

FAYNSHTEYN, B.M.; FATTAKHOV, K.Z.

Apparatus for turbidimetric titration of polymers. Zav. lab.
30 no.1:104-105 '64. (MIRA 17:9)

RYBAKOV, V.G.; FAYNSHTEYN, B.Ya.

Training of students in the field of revolutionary and labor traditions. Sov. zdrav. 18 no.5:19-22 '59. (MIRA 12:7)

1. Iz kafedry marksizma-leninizma (zav. - dotsent V. G. Rybakov) Leningradskogo pediatricheskogo meditsinskogo instituta.

(EDUCATION, MEDICAL,

in Russia, hist. of communist revolution in med. curriculum (Rus))

RYBAKOV, V.G., dotsent; FAYNSHTERN, B.Ya., kand.istor.nauk

Connection between the teaching of social sciences and the type
of medical college. Sov. zdrav. 21 no.1:11-15 '62. (MIRA 15:2)

1. Iz kafedry marksizma-leninizma (zaveduyushchiy V.G.Rybakov)
Leningradskogo pediatricheskogo meditsinskogo instituta.
(MEDICAL COLLEGES) (SOCIAL SCIENCES STUDY AND TEACHING)
(COMMUNIST EDUCATION)

LITVIN, F.L.; PAYNSHTEYN, D.L.

Design of cylindrical thread chasers. Stan. 1 instr. 26 no.7:
22-25 J1 '55.

(MLRA 8:9)

(Screw cutting)

FAYNSHTEYN, David L'vovich; FEDOROV, S.F., red.

[Use of geometric loci in solving problems in descriptive geometry] Primenenie geometricheskikh mest v resheniiakh zadach nachertatel'noi geometrii; uchebnoe posobie po kursu "Nachertatel'naya geometriia." Leningrad, Leningr. politekhn. in-t M.I.Kalinina, 1962. 37 p. (MIRA 16:10)
(Geometry, Descriptive)

RAYNSH-WYN, D. S.

"Hydraulic System of a Batch Tank for Biological Filters." Grad
Tech Sci, Leningrad Order of Red Banner Construction Engineering Inst,
Min Higher Education USSR, Leningrad, 1954. (KL, No 13, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dis-
sertations Defended at USSR Higher Educational Institutions (15)

FAYNSHTEYN, E. G. and SYRKIN, M. Ye.

"Selecting Electric Machines According to Heating," "Transactions of the Power Engineering Institute" (Trudy instituta energetiki), No 3, Power Engineering Institute, AS Uzbek SSR, 1949, 143 pp.

FAYNSHTEYN, E. G.

"Taking Account of the Influence Exercised by Rectification Load when Calculating Asymmetry Modes of Operations in Energy Systems," Official opponents: V. P. Zakharov, Professor, Doctor of Technical Sciences and G. R. Rakhimov, Docent, Candidate of Technical Sciences.

Dissertation for the Degree of Candidate of Technical Sciences, Defended at Inst for Power Engineering AS Uzbek SSR. May 6, 1950. (Elektrichestvo, 1958, Nr 6, pp 93-93)

FAYNSHTEYN, E. G.

"An Estimate of the Effect of Rectifier Loads When Calculating Non-Symmetrical Conditions in Power Systems," (Uchet vliyaniya vypryamitel'noy nagruzki pri raschetakh nesimmetrichnykh rezhimov v energosistemakh), Elektrichestvo, No 7, 1950.

Power Engineering Institute, AS, Uzbek SSR
Dissertation for Candidate Degree

FAYNSHTEYN, E. G.

USSR/Electricity - Generators

Feb 52

"Discussion of Unbalanced Operating Conditions for Generators," I. A. Syromyatnikov, L. G. Mamikonyants, E. G. Faynshteyn, Candidates Tech Sci

"Elektrichestvo" No 2, pp 76-79

All 3 writers take F. K. Arkhangel'skiy to task for attempting to defend the "Elektrosila" Plant directive stating that the max permissible unbalance for hydroelec generators is 5%. Tests made by the Tbilisi Sci Res Inst of Structures and Hydroelec Power clearly showed that greater unbalances could be permitted. Claims that Arkhangel'skiy, to support his opinion, referred to a test made on a defective generator produced by the "Elektrosila" Plant.

208T33

SYROMYANTSEV, I. I., DR. SCIENTIAE, D. S., ASIMMETRICHESKOE

Dynamos

Asymmetric operation of generators. Elektrichestvo no. 2, 1952. Kandidat Tekhn. Nauk.

SO: Monthly List of Russian Accessions, Library of Congress, _____ 1953, Uncl.

FAYNSHTEYN, E. G.

Dynamos, Hydroelectric Power Stations

Protection of hydroelectric generators against
increase in voltage. Elek. Sta. 23 no. 2, 1952.
Inzh.

Monthly List of Russian Accessions, Library
of Congress, April 1952. UNCLASSIFIED.

FAYNSHTEYN, Ye. G.

"Self-Synchronization of Hydrogenerators with a Motor-Generator
Excitor," Elek. sta., 23, No.7, 1952

USSR/Electricity - Insulation, Testing of

Mar 53

"Four Articles on Preventive Testing of Insulation"

Elek Sta, No 3, pp 31-40

These four articles on preventive testing of insulation cover the following topics: selection of test voltages for elec machines (Engr N. A. Kosyrev); tests on elec machines with a stepped-up voltage (Engrs G. B. Izrayelit and A. V. Kalantarov; tests on generator stator windings (Ye. G. Faynshteyn, Cand Tech Sci); tests on generators with rectified voltage (Engr Ya. S. Kolin). The articles are introduced as a group with editorial note emphasizing importance of preventive testing of insulation in reducing breakdowns of elec machines.

PA 255T60

FAYNSHTEYN, E. G.

FA 255167

USSR/Electricity - Synchronous
Compensators

Apr 53

"Operation of a Synchronous Hydroelectric
Generator as a Compensator," Engrs M.A. Ivanov,
E. G. Faynshteyn

Elek Sta, No 4, pp 34-35

Noting feasibility and expediency of using some
machines at hydroelec stas as synchronous
compensators during low-water periods, authors
describe means for connecting synchronous

hydroelec generators as compensators, give
suggestions on starting, etc. Expts were con-
ducted on generator Type CV550/80-36.

IVANOV, M.A. inzhener; ~~FAYNSHTYN~~, M.G., kandidat tekhnicheskikh nauk.

Electric heating of trash grates of hydroelectric power plants. Elek. sta.
24 no.5:32-35 My '53. (MLRA 6:7)
(Hydroelectric power stations)

PODKOVIROV, G.V., inzhener; PAYNSHTEYN, E.G., kandidat tekhnicheskikh nauk.

Relay protection of hydro generators at remote-controlled hydro-electric power plants. Elek. sta. 24 no.12:38-40 D '53.

(MIRA 6:12)

(Hydroelectric power stations)

FAYNSHTEYN, E. G.

AUTHOR: Faynshteyn, E. G., Docent, Candidate of Technical Sciences 105-58-4-9/37

TITLE: Determination of the Power Rating of an Electromotor With Variable Load (Opredeleniye moshchnosti elektrodvigatelye pri peremennoy nagruzke)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 44-48 (USSR)

ABSTRACT: As in most cases the load of a motor changes with time there is the problem of selecting the power rating according to the heating in the substitute of the real diagram giving the change of load by an equivalent diagram of a arbitrary constant load. This equivalent diagram is based on the wear-function f dependent upon the temperature θ . According to numerous investigations during the last 30-35 years this is $f = Ze^{a\theta}$. The factor Z has different values for insulations of different types. In the case of insulations of organic origin it is equal to 0,0693. Z does not influence the results of analyses. Starting from the general foundations of the theory of wear it is shown here that the selection of the motor according to the method of mean losses forms a special case of the more general

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method. The limits within which the applied formulae remain valid are determined and it is shown that the use of this formula beyond these limits brings about essential deviations. The basic formula for the selection of the motor in the case of arbitrary load character is the equality of insulation wear in the motor in the case of operation below the normal temperature θ_n with the wear of the temperature $\theta(t)$ changing according to time during the whole life of the motor t_L . Formula (2). The motor was correctly selected when $\theta_{\text{eq}}^L(\text{equivalent}) \leq \theta_{\text{normal}}$. The

problem is made easier by the possibility to determine the components of θ_{eq} according to the known diagrams $\vartheta(t)$ and $\tau(t)$. As was shown by the measurements of the temperature of the cooling agent in various climatological investigations this temperature changes harmonically during one day and one year. From the given equation (4) the equation (5) for the determination of an equivalent cooling agent temperature on natural conditions or for unheated rooms can be formed. The dependence of the temperature excess according to time $\tau(t)$ is given in form of (6), while that temperature-excess

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Determination of the Power Rating of an Electromotor With
Variable Load

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from (4) and (6) equivalent to the wear is given in form of equation (7) for τ_{H} . The equivalent excess of temperature differs from the average by the magnitude of the additional component $\Delta\tau_{\text{H}}$. For the evaluation of the decrease in life caused by $\Delta\tau_{\text{H}}$ and the necessity of taking it into account in the selection of the motor the author determines the limits within which the value of their dependence on the maximum fluctuation of the function $\tau(t)$ is located. For the construction of the diagram $\tau(t)$ Petrov suggested a rather useful method in reference 8. $\Delta\tau_{\text{H}}$ can, however, also be determined without using the $\tau(t)$ -diagram. Such a method, namely that by S. A. Rinkevich (ref. 9), is used. Based on the explanations, the sequence in the selection of the motor under change of load is given: 1) Determination of the temperature of the cooling agent ϑ_{H} , 2) Determination of the tolerable temperature excess $\tau_{\text{mean tolerable}}$. Diagrams for most forms of periodic load occurring in practice are given.

Summary: 1) The methods for the selection of the motors

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according to heating in the case of change of load must be given on the basis of the rules of wear. 2) The practical realization of these theories consists in the fact that the motor capacity selected for the security of the given load diagram according to the method of mean deviations must be "corrected". 3) The correction must take into account not only the temperature-excess of the cooling agent above the normal temperature demanded by GOST but also an additional wear caused by temperature fluctuations as well as shift work. There are 7 figures and 10 references, 9 of which are Soviet.

ASSOCIATION: Krivorozhskiy gornorudnyy institut (Krivoy Rog. Institute for Ore Mining)

SUBMITTED: September 17, 1957

AVAILABLE: Library of Congress

1. Electric motors-Power-Range 2. Loads-Variability-Applications

Card 4/4

LYAUK, G.I., inzh.; FAYNSHTEYN, E.G., kand.tekhn.nauk, dotsent

Analysis of the exploitation of electric motors for scraper winches
in iron-ore mines. Sbor. nauch. trud. KGRI no.7:256-264 '59.
(MIRA 16:9)

(Winches--Electric driving)

FAYNSHTEYN, E.G., kand.tekhn.nauk, dotsent

Conditions for creating a circularly rotating magnetic field
in the three-phase windings of magnetic machines. Elektrichestvo
no.5:62-63 My '61. (MIRA 14:9)

1. Krivorozhshkiy gornorudnyy institut.
(Electric machinery—Windings)

LEBEDEV, M.M., kand.tekhn.nauk; FAYNSHTEYN, E.G. (Krivoy Rog)

Principal trends in carrying out overall electrification.
Elektrichestvo no.5:73-74 My '61. (MIRA 14:9)

1. Energeticheskii institut AN SSSR (for Lebedev).
(Electrification)

DUKHOVNIY, M.A., kand.fiziko-matematicheskikh nauk (Krivoy Rog);
FAYNSHTEYN, E.G., kand.tekhn.nauk (Krivoy Rog)

Determination of the power of electric motors with a random
load. Elektrichestvo no.1:75-79 Ja '62. (MIRA 14:12)
(Electric motors)

FAYNSHTEYN, E. G., kand. tekhn. nauk; KORNILOV, G. I., inzh.

Simple TUBV device for remote control of block-type fans in
mines. Izv. vys. ucheb. zav.; gor. zhur. 5 no.8:150-154 '62.
(MIRA 15:10)

1. Krivorozhskiy gornorudnyy institut. Rekomendovana kafedroy
osnov elektrotekhniki i elektricheskikh mashin.

(Mine ventilation—Equipment and supplies)
(Remote control)

BELASH, F.N.; KAMENEV, P.Ya.; FAYNSHTEYN, E.G.; KHARLAMOV, V.S.;
ZAYTSEV, I.F.

Radiometric dressing of pieces of iron ore. Sbor. nauch. trud.
KGRI no.13:208-211 '62. (MIRA 16:8)

1. Krivorozhskiy gornorudnyy institut (for Kharlamov).
2. Ukrainskiy proyektno-konstruktorskiy i nauchno-issledovatel'-
skiy institut po obogashcheniyu i briketirovaniyu ugley (for
Zaytsev).

(Iron ores) (Ore dressing)
(Radioisotopes—Industrial applications)

DUKHOVNIY, M.A., kand. fiziko-matem. nauk, dotsent; FAYNSHTEYN, B.G.,
kand. tekhn. nauk, dotsent

Making dynamic systems equivalent. Sbor. nauch. trud. KGRI
no.13:137-139 '62. (MIRA 16:8)

(Dynamics)

FAINSHTAYN, E.G.; MASLOV, V.P.; KORNILOV, G.I.

Remote control of surface substations at the S.M. Kirov Mine.
Sbor. nauch. trud. KORI no.19:30-35 '62. (MIRA 16:5)

(Krivoy Rog Basin—Electric substations) (Remote control)

FAYNSHTEYN, E.G.; KORNILOV, G.I.; MASLOV, V.P.

Apparatus for remote control of block-type fans in the S. M. Kirov
Mine. Sbor. nauch. trud. KGRI no.19:35-38 '62. (MIRA 16:5)

(Krivoy Rog Basin--Fans, Electric)

(Remote control)

24.2000

16.2400

S/103/62/023/006/012/012
D230/D308

AUTHORS:

Dukhovnyy, M.A. and Faynshteyn, E.G. (Krivoy Rog)

TITLE:

Calculation of transient processes

PERIODICAL:

Avtomatika i telemekhanika, v. 23, no. 6, 1962,
833-840

TEXT:

A method of calculation of a transient process is given which is exact when the action function has the form of an algebraic polynomial. In other cases the method is approximate. The analysis is based on the relationship $X(p) = F(p) W(p)$, connecting the reaction function $x(t)$ and the action function $f(t)$, where $X(p)$ - Laplace transform of the reaction function $x(t)$, $F(p)$ - Laplace transform of the action function $f(t)$, $W(p)$ - transfer function of the system. Both cases of zero and non-zero initial conditions are considered. A generalized formula is deduced from which particular cases corresponding to various forms of the action approximation function $f(t)$ can follow. Examination of this formula and of the particular cases shows that for the evaluation of the transient

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Calculation of transient processes

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processes, knowledge of the transient function $K_T(t)$ is required. The relation between the action approximation function and the resulting transient process error is obtained. A case is considered when the poles of the transmitting function $W(p)$ are not known or, when the delayed dynamic system has both lumped and distributed parameters. Employing sums with trapezoidal characteristics, a transient function $K_T(t)$ can be evaluated with the aid of sine and cosine integrals. For a polynomial form of action function, the accuracy of the formation of the transient process is entirely dependent on the accuracy of the time function $K_T(t)$. There are 1 table and 4 figures. ✓C

SUBMITTED: March 13, 1961

Card 2/2

FAYNSHTEYN, E.G., kand.tekhn.nauk, dotsent

Total power of a multiphase electrical network. Izv. vys. ucheb.
zav.; energ. 6 no.7:30-37 J1 '63. (MIRA 16:8)

1. Krivorozhakiy gornorudnyy institut. Predstavlena elektromekha-
nicheskim seminarom.

(Electric networks)

DUKHOVNIY, M.A. (Krivoy Rog); FAYNSHTEYN, E.G. (Krivoy Rog)

Approximation of the input functions of linear dynamic ($m \times n$)
systems with constant parameters. Avtom. i telem. 24 no.8:
1084-1089 Ag '63. (MIRA 16:8)

(Automatic control)

DUKHOVNIYY, M.A. (Krivoy Rog); FAINSHTEYN, E.G. (Krivoy Rog)

Selection of the optimal structure of a digital automatic control system according to the criterion of conversion to TSypkin's majority minimum. Izv. AN SSSR. Tekh. kib. no.1:158-160 Ja-F '65. (MIRA 18:4)

DUKHOVYY, M.A. (Krivoy Rog); FAYNSHTEYN, E.G. [Fainshtein, E.H.] (Krivoy Rog)

Evaluation of the optimum order of approximation of the input
function of a trigonometric polynomial. Avtomatyka 10 no.1:3-8
'65. (MIRA 18:6)

FAYNSHTEYN, F. E.

"Therapeutic Influence of Myelocytic-Toxic Serum on Hemopoiesis in Blood Donors and Patients With Hyporegenerating Normoblastic Anemia." Thesis for degree of Cand. Medical Sci. Sub 20 Mar 50, Moscow Medical Inst, Ministry of Health RSFSR

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

PAYNSTEIN F. E.

PA 194779

USSR/Medicine - Penicillin

Oct 51

"New Method of Introducing Penicillin Lengthening
its Effectiveness," F. E. Paynsteyn, F. I.
Bolotnikova, Hematol, Gen Order of Lenin Inst of
Hematol and Blood Transfusion

"Klin Med" Vol XXIX, No 10, pp 14, 15

Grozdev and Bolotnikova developed a method of mixing penicillin with blood, erythrocytic mass, or solution No 94, lengthening the time during which the solr remains in the organism. Intramuscular injections were given to volunteers and 15 patients ill with chronic myelosis and 5 with chronic lymphadenosis. One cc of the penicillin soln contg 50,000 units mixed with 1 cc blood or erythrocytes were injected in the upper lateral quadrant of the buttocks. Ten controls received penicillin in aqueous soln. The concn of penicillin mixed with blood serum was detd by a modification of Fleming's phenol red method in 2, 3, 4, 5, and 6 hr after injection. Altogether there were 30 tests showing that in leucosis patients the penicillin level was kept up for 5-6 hr. In the controls the therapeutic level was retained only for 2-3 hr. Adminst of blood or erythrocytes to penicillin therefore lengthened the time of effectiveness in the blood stream 2-3 times. It is evident that in this method the penicillin forms a depot at the point of injection from which it spreads into the organism. No adverse effects were discovered.

194779

FAYNSHTEYN, E. E.

VLADOS, Kh.Kh., professor, chlen-korrespondent Akademii meditsinskikh nauk SSSR, zaveduyushchiy; FAYNSHTEYN, F.E. kandidat meditsinskikh nauk; BAGDASAROV, A.A., professor, chlen-korrespondent Akademii meditsinskikh nauk, SSSR, direktor.

Normal myelogram and hemogram in the unitary theory of hemopoiesis. Klin. med. 31 no.2:33-45 P '53. (MLRA 6:5)

1. Gematologicheskaya klinika Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (for Vlados). 2. Tsentral'nyy ordena Lenina institut gematologii i perelivaniya krovi (for Bagdasarov). 3. Akademiya meditsinskikh nauk SSSR (for Vlados and Bagdasarov).

(Blood--Examination)

FAYNSHTAYN, F. E., and ZARETSKIY, I. I.

Some New Experimental and Clinical Data in the Field of Hematology.
Voyenno-meditsinskiy Zhurnal, No 1, p 15, 1955

FEYNSTEYN, F. E., SKURKOVICH, S. V. and LAVROV, O. P.
(of the Central Institute of Hematology and Blood Transfusion of the Order of Lenin;
Dir., Corresponding Member of the AMN of the USSR, Prof. A. A. Bagdasarov, of the
Ministry of Health of the USSR)

"Changes of Hemocytostimuline in the System in Treating Iron-Deficient Anemias",

abstract--B-99405

Prob. Hematol. & Blood Transfus., No. 1, 1976

LAVROVA, O.P.; FAYNSHTEYN, F.Ye.; SKURKOVICH, S.V.

Use of hemocytostimulin in the treatment of iron deficiency
anemias. Probl.gemat.i perel.krovi 1 no.1:57-60 Ja-F '56.

(MIRA 14:1)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-
vaniya krovi (dir. - ohlen-korrespondent AMN SSSR prof. A.A.
Bagdasarov) Ministerstva zdavookhraneniya SSSR.
(ANEMIA) (SERUM)

PAYNSHTEYN, F. E.

"Certain Problems in the Clinical Management and Therapy of Aplastic and Hypoplastic Anemia," by F. E. Paynshteyn, Central Order of Lenin Institute of Hematology and Blood Transfusion (director, Prof A. A. Bagdasarov, Corresponding Member, Academy of Medical Sciences USSR, Ministry of Health USSR, Problemy Gematologii i Perelivaniya Krovi, Vol 1, No 5, Sep/Oct 56, pp 20-27 ✓

A total of 100 patients ranging in age from 18 to above 60 and suffering from aplastic or hypoplastic anemia were subjected to complex therapy by (a) transfusion of erythrocyte mass, folic acid, vitamin B₁₂, ascorbic acid, vitamin P, and calcium preparation; or (b) transfusion of erythrocyte mass, vitamins B₁, B₂, B₆, B₁₂, folic acid, vitamin P, ascorbic acid, and calcium preparation.

Sum 1258
The author concludes that both thrombocytopenia and vascular disturbances play an important role in bringing about aplastic and hypoplastic anemia. Systematic transfusion of erythrocyte mass has an essential place in the complex therapy of aplastic and hypoplastic anemia. A favorable effect is sometimes exerted by the combination of erythrocyte mass with B vitamins. The use of vitamin P together with ascorbic acid and calcium preparation and also native plasma often aids in arresting hemorrhage. Therapy by ACTH may be recommended in certain cases of chronic hypoplastic anemia.

DUL'TSIN, M.S., professor; NOVIKOVA, E.Z., kandidat meditsinskikh nauk;
FAYNSHTYIN, Y.E., kandidat meditsinskikh nauk; FRINOVSKAYA, I.V.

a clinical variant of osteomyelopoietic dysplasia. Terap.arkh.
28 no.4:51-61 '56.

(MIRA 9:9)

1. Iz gematologicheskoy kliniki (sav.-prof. M.S.Dul'tsin) Tsentral'-
nogo ordena Lenina instituta gematologii i perelivaniya krovi.

(ANEMIA, LEUKOERYTHROBLASTIC, compl.

sclerosis, periosteal, differ. diag., x-ray)

(SCLEROSIS

periosteal, in leukoerythroblastic anemia, differ.
diag., x-ray)

FAYNSHTEYN, F.E.

"On the Role of the Vascular Factor in the Mechanism of Development of Hemorrhage in Aplastic and Hypoplastic Anemia," by F. E. Faynshteyn, Central Order of Lenin Institute of Hematology and Blood Transfusion (director, Prof A. A. Bagdasarov, Corresponding Member, Academy of Medical Sciences USSR), Ministry of Health USSR, Problemy Gematologii i Perelivaniya Krovi, Vol 2, No 2, Mar/Apr 57, pp 30-34

The article describes characteristics of the capillaries in various types of aplastic and hypoplastic anemia in which, as is known, hemorrhage often is prominent.

A study of the capillaroscopic picture confirms the significance of the vascular factor in the mechanism of the development of hemophilia in aplastic and hypoplastic anemia. The most marked changes in the capillaroscopic picture were noted in aplastic and subacute hypoplastic anemia. In patients with chronic hypoplastic anemia during remission, a tendency toward normalization of the capillaroscopic picture is observed. (U)

Sum. 1360

"Pressing Problems of Hematology and Blood Transfusion," by
F. E. Faynshteyn, Candidate of Medical Sciences, and Yu. I.
Loriye, Central Order of Lenin Institute of Hematology and
Blood Transfusion, Moscow, Zdravookhraneniye Kazakhstana,
No 3, 1957, pp 3-10

The Central Order of Lenin Institute of Hematology and Blood Transfusion defines leukosis and reviews means for its therapy. This institute also touches upon effects of ionizing radiation and summarizes blood preservatives and blood substitutes.

Among therapeutic agents mentioned are "dopan," a uracil derivative, 6-mercapto-purine, fresh plasma in combination with vitamin B complex, leukocyte mass, iron-ascorbic acid and "ferkoven," ACTH and cortisone, Vitamin B₁₂, antihemolytic globulin, and thrombocyte mass.

Some of the blood preservatives mentioned are glucose-citrate, saccharose-citrate, anticytolyzing substances of Soviet preparation such as diprozin, ethizin, and aminazin, ion-exchange adsorbents, chemical stabilizers, and quick cooling and freezing methods.

Blood substitutes, besides whole blood, include heterogenous blood, and synthetic blood substitutes such as the Therapeutic Serum of Belen'kiy, BK-8, colloidal infusions, and protein hydrolysates. Other blood substitutes mentioned are the dextren type of preparation (polyglyukin, sinkol, macrodex, and intradex), and periston (polyvinylpyrrolidone). (U)

Sum in 1461

USSR / Human and Animal Physiology. Blood.

T-3

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3326

Author : ~~Faynshteyn, F. E.~~ *Cand. med. sci.*

Inst : Not given

Title : Treatment of Aplastic and Hypoplastic Anemias

Orig Pub : Voen.-med. zh., 1957, No 11, 31-36

Abstract : In 40 patients with aplastic and 70 with hypoplastic anemia, the best results were obtained with hemotherapy. The blood was prepared by means of ion exchange adsorbents (cationic blood) and given by the drip method in volumes of 200 - 250 ml at intervals of 2 - 3 days at the beginning of treatment, and of 4 - 5 days thereafter. In contradistinction to citrate blood, the leukocytes and platelets of the cationic blood are functionally fully effective for long duration. The adaptation ability of the erythrocytes is almost the same as in a direct

Card 1/2

USSR / Human and Animal Physiology. Blood.

T-3

Ab's Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3326

transfusion. The antibodies, hormones and enzymes are retained. In hypoplastic anemias with hemolytic components, transfusions of fresh plasma are effective, especially when given in combination with group B vitamins. In absence of hemorrhages, good results were obtained with transfusions of an erythrocyte mass. Cortisone and ACTH had a positive effect. -- Z. R. Paley

Card 2/2

FAYNSHTEYN, F.E.

B-3

USSR/General Biology. General Histology.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 90334.

Author : Abdullayev, G.M., Dul'tsin, M.S., Terent'yeva, E.I.,
Faynshteyn, F.E.

Inst :

Title : Thrombocytes Studied with the Electron Microscope.

Orig Pub: Byul. eksperim. biol. i med., 1957, 44, No 10, 114-116
(res. Eng.)

Abstract: The thrombocytes (T) of healthy humans and those afflicted with leukemia and aplastic and hypoplastic anemia were studied with an electron microscope having a magnification of 7000 X. In the center of the T of healthy individuals one distinguishes a grainy granulozone and on the periphery a hyalozone consisting of a net of intertwining fibrils, forming numerous projections, branchings

Card : 1/2 Cent OK Incl Hematology & Blood Transfusion

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USSR/General Biology. General Histology.

D-3

Abs Jour: Ref Zhur-Biol., No 20, 1958, 90334.

and pseudopods. The T of those afflicted with aplastic and hypoplastic anemia were conspicuously distinguished either by the complete absence or a very small number of branchings and pseudopods, a smoother surface, and effaced boundaries between the granulocytes and hyalomeres. The great number of vacuoles inside the lamina is proof of their degenerative changes. Substantial degenerative changes also characterize the T of those afflicted with leukemia. The authors think that these findings may prove highly significant in understanding the mechanism of the development of hemorrhages which accompany these diseases. -- A.M. Karpas.

Card : 2/2

TERENT'YEVA, E.I., FAYNSHTEYN, F.E.

Experimental study of the action of certain drugs on hemopoietic cells in tissue culture [with summary in English]. Pat.fiziol. i eksp.terap. 2 no.4:43-48 J1-Ag '58 (MIRA 11:12)

1. Iz tsitologicheskoy laboratorii (zav. - doktor biologicheskikh nauk E.I. Terent'yeva) i gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov):

(ANEMIA, APLASTIC, physiolo.

eff. of vitamin B group of hemopoietic cells in tissue culture (Rus))

(VITAMIN B COMPLEX, eff.

on hemopoietic cells in tissue culture in aplastic anemia (Rus))

71745-75745, P.E.
BAGDASAROV, A.A., prof., DVOLAYTSKAYA-BARYSHEVA, K.M., doktor med.nauk,
BOLOTNIKOVA, F.I., BOGOLAVLENSKAYA, M.P., FAYNSHTYIN, P.E.,

Antileukocyte antibodies in hypoplastic anemias and in chronic radiation
sickness. Probl.gemat. i perel. krovi 3 no.4:10-16 J1-Ag '58 (MIRA 11:8)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereliva-
niya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov)
Ministerstva zdavookhraneniya SSSR. 2. Deystvitel'nyy chlen AMN SSSR
(for Bagdasarov).

(ANEMIA, APLASTIC, immunology,

anti-leukocyte antibodies (Rus))

(RADIATION, inj. eff.

radiation sickness, anti-leukocyte antibodies in(Rus))

UMNOVA, M.A., LORIYE, Yu.I., FAYNSHTEYN, F.E.

Immunological changes in hemolytic, aplastic, and hypoplastic
anemias [with summary in English]. Probl.gemat. i perel. krovi
3 no.4:16-23 J1-Ag '58 (MIRA 11:8)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i
perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.
Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(ANEMIA, HEMOLYTIC, immunology,

(Rus))

(ANEMIA, APLASTIC, immunology,

(Rus))

ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; FAYNSHTEYN, F.E.

Cytochemical studies on the hemopoietic elements in patients with aplastic and hypoplastic anemias. Probl. gemat. i perel. krovi 3 no.5: 25-31 S-O '58. (MIRA 11:11)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen ANM SSSR prof. A.A. Bagdasarov) Ministerstva zdoravookhraneniya SSSR.

(ANEMIA, APLASTIC, pathology

cytochem. changes in hemopoietic elements in aplastic & hypoplastic anemias (Rus))

DUL'TSIN, M.S., prof.; ~~FAYNSHTEIN, P.B.~~ kand.med.nauk

Peculiar clinical variant of hypoplastic anemia. Terap. arkh.
30 no.3:10-22 Mr '58. (MIRA 11:4)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir.-deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov).
(ANEMIA, APLASTIC, case reports,
specific clin. hypoplastic variant (Rus)

KAZANOVA, L.I., TERENT'YEVA, E.I., FAYSHTEYN, F.E. (Moskva)

Phosphatase in the blood cells and bone marrow in leukemia
and hypoplastic anemia. Klin.med. 36 no.7:129-134 J1 '58

(MIRA 11:11)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereliyaniya
krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov).

(PHOSPHATASE, determ.

blood cells & bone marrow in leukemia & hypoplastic
anemia (Rus))

(LEUKEMIA, metab.

phosphatases in blood cells & bone marrow (Rus))

(ANEMIA, APLASTIC, metab.

same (Rus))

FAYNSHTYN, F.M.

Classification of aplastic and hypoplastic anemias. Probl.
gemat. i perel.krovi 4 no.7:3-14 J1 '59. (MIRA 12:10)

1. Iz gematologicheskoy kliniki (zav. - prof.M.S.Dul'tsin)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. - deystvitel'nyy chlen AMN SSSR prof.A.A.Bagdasarov)
Ministerstva zdravookhraneniya SSSR.
(ANEMIA, APLASTIC,
classif. (Rus))

TERENT'YEVA, E.I.; ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; FAYNSHTEYN, F.E.

Cytochemical studies in leukemia. Probl.gemat.i perel.krovi 4 no.11:
39-49 N '59. (MIRA 13:3)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereli-
vaniya krovi (direktor - deystvitel'nyy ohlen AMN SSSR prof. A.A.
Bagdasarov) Ministerstva zdavookhraneniya SSSR.
(LEUKEMIA chemistry)

YAYNSHTEYN, F.E.; MURAZIAN, R.I.

Use of splenectomy in hypoplastic anemias. Probl.gemat.i perel.
krovi 5 no.1:46-52 Ja '60. (MIRA 14:6)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bagdasarov)
Ministerstva zdravookhraneniya SSSR.
(ANEMIA) (SPLEEN)

TERENT'YEVA, E.I., prof.; KAZANOVA, L.I.; FAYNSHTEYN, F.E.

Oxidative enzymes in blood cells and bone marrow in leukemia and
hypoplastic anemia. Probl. gemat. i perel. krovi 5 no.2:3-8 F '60.
(MIRA 14:5)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bagdasarov)
Ministerstva zdravookhraneniya SSSR.

(OXIDASE)

(LEUKEMIA)

(ANEMIA)

(MARROW)

(BLOOD CELLS)

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Bagdasarov) Ministerstva zdravookhraneniya SSSR.
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(PROPERDIN)

(ANEMIA)

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i patologoanatomicheskogo otdeleniya (zav. - prof. N.M.
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i perelivaniya krovi (dir. A.Ye.Kiselev)
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serologicheskoy laboratorii (zav. Ye.A. Zotikov) Tsentral'nogo
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